



U.S. Department
of Transportation
**Pipeline and
Hazardous Materials
Safety Administration**

**IAEA CERTIFICATE OF COMPETENT AUTHORITY
SPECIAL FORM RADIOACTIVE MATERIALS
CERTIFICATE USA/0726/S-96, REVISION 0**

400 Seventh Street, S.W.
Washington, D.C. 20590

This certifies that the source described has been demonstrated to meet the regulatory requirements for special form radioactive material as prescribed in the regulations of the International Atomic Energy Agency¹ and the United States of America² for the transport of radioactive material.

1. Source Identification - QSA Global, Inc. Model XN240 (Manufactured on or after May 25, 1982).
2. Source Description - Rectangular single encapsulation made of stainless steel and seal welded. Approximate outer dimensions are 34.93 mm (1.375 in.) in height, 50.01 mm (1.969 in.) in depth, and 114.3 mm (4.5 in.) in length (shutter open or closed) including the attached extension and knob. Minimum wall thickness is 0.13 mm (0.005 in.). Construction shall be in accordance with attached Industrial Dynamics Co., LTD. Drawing Nos. 06110, Rev. 7; and 06110-1, Rev. 4.
3. Radioactive Contents - No more than 3.7 GBq (100.0 mCi) of Americium-241. The Am-241 is in the form of an oxide incorporated into a ceramic enamel.
4. Quality Assurance - Records of Quality Assurance activities required by Paragraph 310 of the IAEA regulations¹ shall be maintained and made available to the authorized officials for at least three years after the last shipment authorized by this certificate. Consignors and consignees in the United States exporting or importing shipments under this certificate shall satisfy the requirements of Subpart H of 10 CFR 71.
5. Expiration Date - This certificate expires on March 31, 2011.

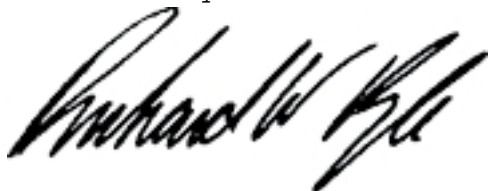
¹ "Regulations for the Safe Transport of Radioactive Material, 1996 Edition (Revised), No. TS-R-1 (ST-1, Revised)," published by the International Atomic Energy Agency(IAEA), Vienna, Austria.

² Title 49, Code of Federal Regulations, Parts 100-199, United States of America.

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This certificate is issued in accordance with paragraph 804 of the IAEA Regulations and Section 173.476 of Title 49 of the Code of Federal Regulations, in response to the December 16, 2005 petition by QSA Global, Inc., Burlington, MA and in consideration of other information on file in this Office.

Certified By:



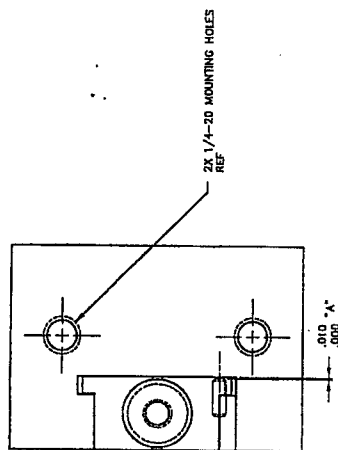
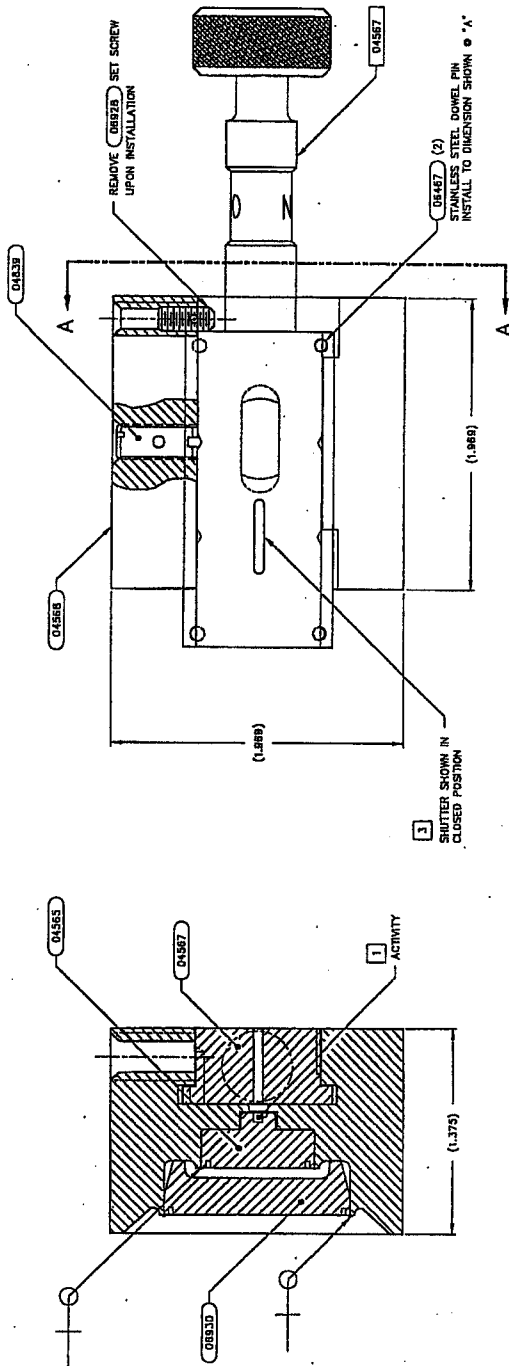
Mar 16 2006

(DATE)

 Robert A. McGuire

Associate Administrator for Hazardous Materials Safety

Revision 0 - Original issue.



4. FOR SHIPPING PURPOSES THE TWO DOWEL PINS (P/N 04567), SHUTTER (P/N 04567) AND SOURCE HOUSING (P/N 04568) MUST BE ASSEMBLED AS SHOWN, SO SHUTTER CAN BE REMOVED FROM SOURCE HOUSING DURING SHIPPING PROCESS. THE SET SCREW IS BACKED OUT OR REMOVED UPON INSTALLATION OF SOURCE IN DEVICE.
5. SHUTTER MAY BE INSTALLED OPPOSITE HAND TO THAT SHOWN.
6. SOURCE TO BE SENT TO RADIO CHEMICAL CENTER, FOR LOADING AND WELDING.
7. 100 MILLICURIES AMERICUM 241 IN CERAMIC FORM.

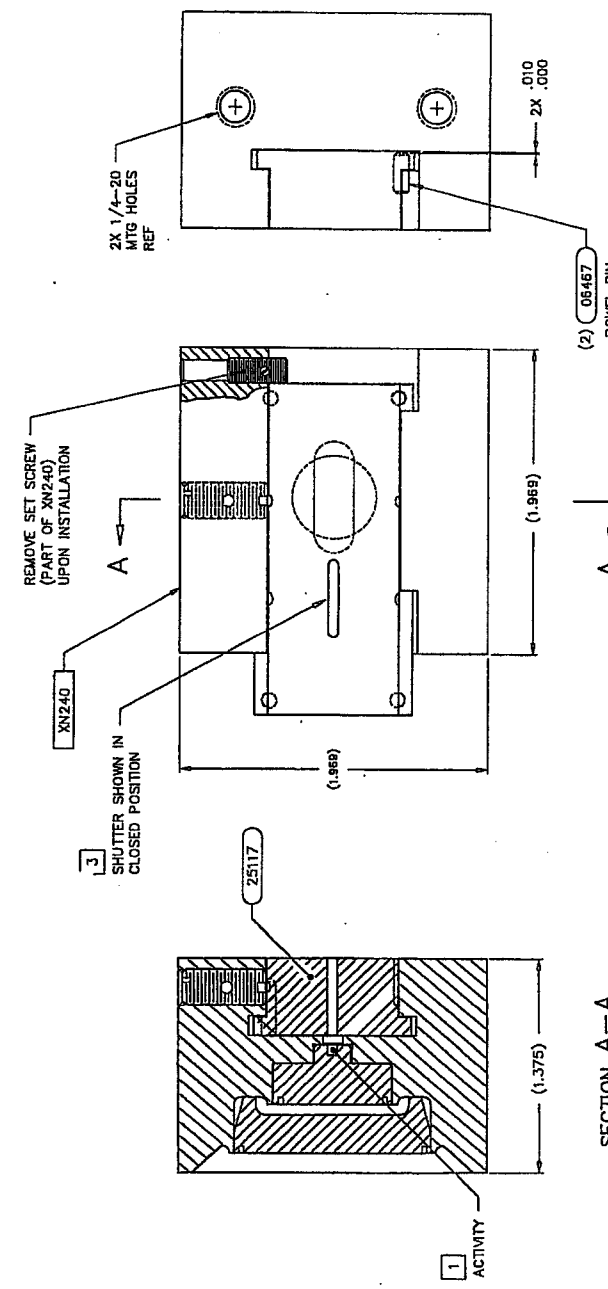
NOTES: UNLESS OTHERWISE SPECIFIED

IDC
 CONFIDENTIAL

ITEM	REV	DATE	DESCRIPTION
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100	1	11-8-56	REWORK

REV	NO.	REVISIONS	DATE	DRAWN BY	CHECKED BY
4		RE-CREATED NEW CAD FILE UPDATED PART NUMBERS ON WITH B.O.M. - REMOVED WELD SYMBOL (2).	3/95	HM	SG DK PM



ITEM NO.	NO. OF REQD	PART NUMBER	DESCRIPTION	REMARKS
JPN JPN	— —	— —	INDUSTRIAL DYNAMICS CO., LTD. TORRANCE, CALIFORNIA	
JPN JPN	— —	— —	ASSY, SOURCE HOUSING, 100MC	
JPN JPN	— —	— —	NATIONAL	
JPN JPN	— —	— —	FRENCH	
JPN JPN	— —	— —	DATE 7/20/95 CAD AVAILABLE DATE FIRST USED IN RELEASE	
JPN JPN	— —	— —	DATE 3/03/95	
JPN JPN	— —	— —	DATE 7/17/92 SCALE 2X	
JPN JPN	— —	— —	DATE 8/22/98 W BRECKENRIDGE	
JPN JPN	— —	— —	SCALE 06110-1	

4. FOR SHIPPING PURPOSES TWO DOWEL PINS (06467), SHUTTER (04567) AND SOURCE HOUSING (04568) MUST BE ASSEMBLED AS SHOWN, SO SHUTTER CAN BE PLACED IN CLOSED POSITION AND RETAINED BY SET SCREW (06926). SHUTTER MUST BE CLOSED AND LOCKED DURING SHIPPING PROCESS. SET SCREW IS BACKED OUT OR REMOVED UPON INSTALLATION OF SOURCE IN DEVICE.
 - 3

 SHUTTER MAY BE INSTALLED OPPOSITE HAND TO THAT SHOWN.
 2. SOURCE TO BE SENT TO RADIO CHEMICAL CENTER, FOR LOADING AND WELDING.
 - 1

 100 MILLICURIES AMERICIUM 241 IN CERAMIC FORM.
- NOTES: UNLESS OTHERWISE SPECIFIED